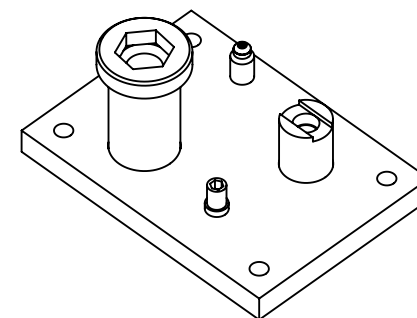
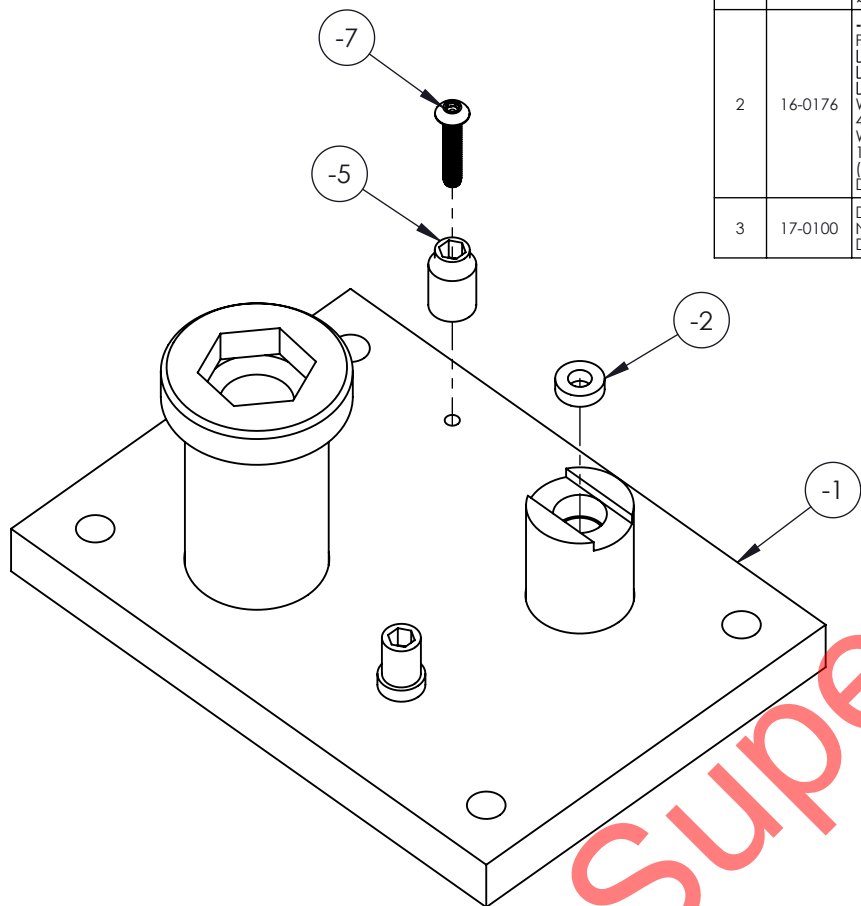



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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-9 ADDED. -7 ADDED P/N TO BOM. -1 ADDED WELDMENT. -1A CH'D DIA. WAS Ø.780 IS Ø.880 THRU. CH'D DIA. WAS Ø1.500 IS Ø1.500-1.501 ∇ .18. CH'D DIA. WAS Ø.150 IS Ø.180. CH'D DIA. WAS Ø.473 IS Ø.500+.005-.000 CH'D DIA. WAS Ø1.125 IS Ø1.125-1.126 ∇ .18. ADDED Ø.125+.001-.000 ∇ .55 HOLE FOR -9 . -1B CH'D DIA. WAS .880 IS .780. ADDED MISSING 1/2 DIA. FOR 35° ANGLE. ADDED REF. DIM. Ø1.123. -1C CH'D MATERIAL WAS 01 IS 4140. -1D CH'D OD WAS Ø1.125 IS Ø1.124-1.125. ADDED Ø.125+.001-.000 ∇ .375 HOLE FOR -9 . CH'D MATERIAL WAS 01 IS 4140.	8/5/2013	RJC	GE
2	16-0176	-1 CH'D DWG. TO SHEET METAL TOLERANCES, ADDED FINISH SPEC. QMSI-6.2.2. B.O. REV D. ADDED P/N -1A . -1A CH'D MATERIAL WAS 1018 IS A36/1018/1020, CH'D DIM'S WAS Ø.880 THRU ALL \square Ø1.501/-1.500 ∇ .18 IS Ø.880 THRU ALL \square Ø1.514/-1.508 ∇ .18. WAS Ø.375 THRU ALL \square Ø1.126/-1.125 ∇ .18 IS Ø.375 THRU ALL \square Ø1.139/-1.133 ∇ .18. WAS Ø.180 THRU ALL \square Ø.500+.005/-0.000 ∇ .18 IS Ø.180 THRU ALL \square Ø.50+.05/-0.00 ∇ .18. WAS.4375 IS.438/437. WAS Ø.125+.001/-0.000 IS Ø.1271/1.1261. ADDED DIM 2.50. -1B . -1C . -1D CH'D MATERIAL WAS 1018 IS 4140/4142. ADDED HEAT TREAT RC 28-32. -1B CH'D DIM WAS Ø1.500 IS Ø1.500/-1.496. -1C CH'D DIM WAS (2.00) IS 2.00. WAS Ø1.500 ∇ .120 IS Ø1.514/-1.508 ∇ .12. WAS 1.082/-1.072 HEX IS 3X 1.082/-1.072. -1D CH'D DIM WAS Ø1.125/-1.124 IS Ø1.125/-1.121. CH'D DIM WAS Ø.515 IS Ø.5150/-5143 (P.F.-2). WAS.438 IS.438/437. WAS Ø.125+.001/-0.000 ∇ .375 IS Ø.1271/1.1261 ∇ .38 (S.F.-9). -2 CH'D DIM WAS Ø.515 IS Ø.5159/-5155 (P.F.-1D). -5 CH'D BO INFO WAS 1/4in. DR. IS 3/8in. DR.	10/20/2016	RJC	SM
3	17-0100	DELETED -5 MUST HAVE BLACK OXIDE FINISH NOTE. -1 ADDED ENGRAVE T/N, S/N, "MADE IN USA" NOTE. -1A CH'D DIM WAS .620 IS .63. DELETED ENGRAVE T/N, S/N, "MADE IN USA" NOTE. -1C CH'D DIM WAS Ø2.00 IS Ø2.00+0.00-.003.	4/24/2017	DPD	JAG



UNDER REVIEW
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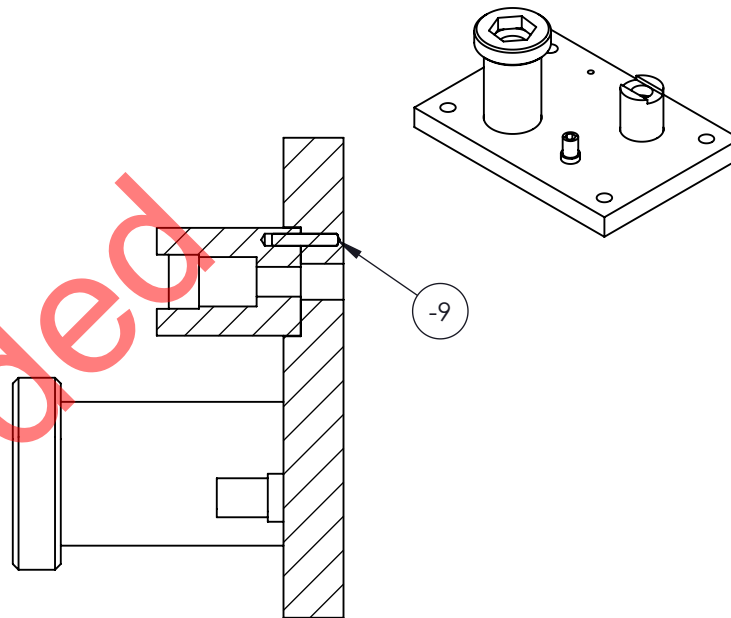
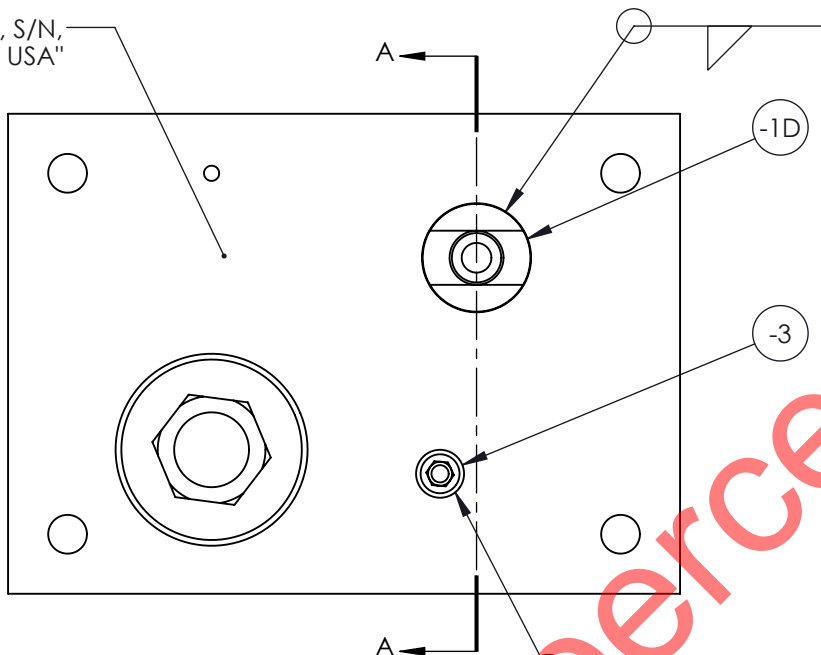
ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG
	X		-1	1	WELDMENT			2
	1		-1A		BASE	A36/1018/1020 HR		3
	1		-1B		RISER	4140/4142		4
	1		-1C		TOP	4140/4142		5
	1		-1D		RISER	4140/4142		6
			-2	1	WASHER	NYLON		7
	1	B/O	-3		SOCKET		1/4in. DR. 1/4in. X 6PT SNAP-ON IMTM8A	2
		B/O	-5	1	SOCKET		3/8in. DR. 1/4in. X 6pt (MSC #48725303)	1
		B/O	-7	1	BUTTON SOCKET HEAD CAP SCREW	STEEL	10-32 X 1 (MCMaster-CARR #91255A273)	1
	1	B/O	-9		DOWEL PIN	STEEL	Ø1/8 X 11/16 (MCMaster-CARR #98381A172)	2
	ASSY -1							

			
TITLE FIXTURE-HOLDING FUEL NOZZLE			
DWG NO.		RB6897875	
MAT'L		REV 3	
HEAT TREAT FINISH		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
SPEC		.XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125/√	
DRAWN BY:		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED:		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPDS APPR:		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR:		USED ON MODEL	
APPROVED:		ROLLS ROYCE	
SCALE		DATE	
1:2		9/16/2009	
SCALE		SHEET 1 OF 7	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-1 ADDED WELDMENT.	8/5/2013	RJC	RW
2	16-0176	-1 CH'D DWG. TO SHEET METAL TOLERANCES, ADDED FINISH SPEC. QMSI-6.2.2, B.O. REV D, ADDED P/N -1A.	10/20/2016	RJC	SM
3	17-0100	-1 ADDED ENGRAVE T/N, S/N, "MADE IN USA" NOTE.	4/24/2017	DPD	JAG

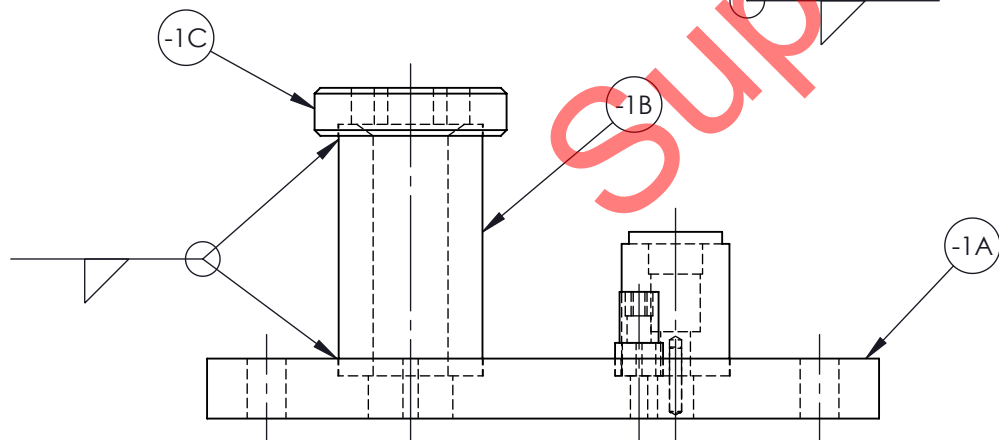
ENGRAVE T/N, S/N,
"MADE IN USA"



SECTION A-A

UNDER REVIEW

URF 17-771 SAC

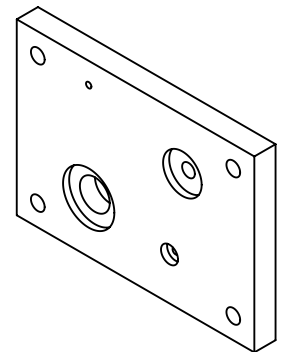
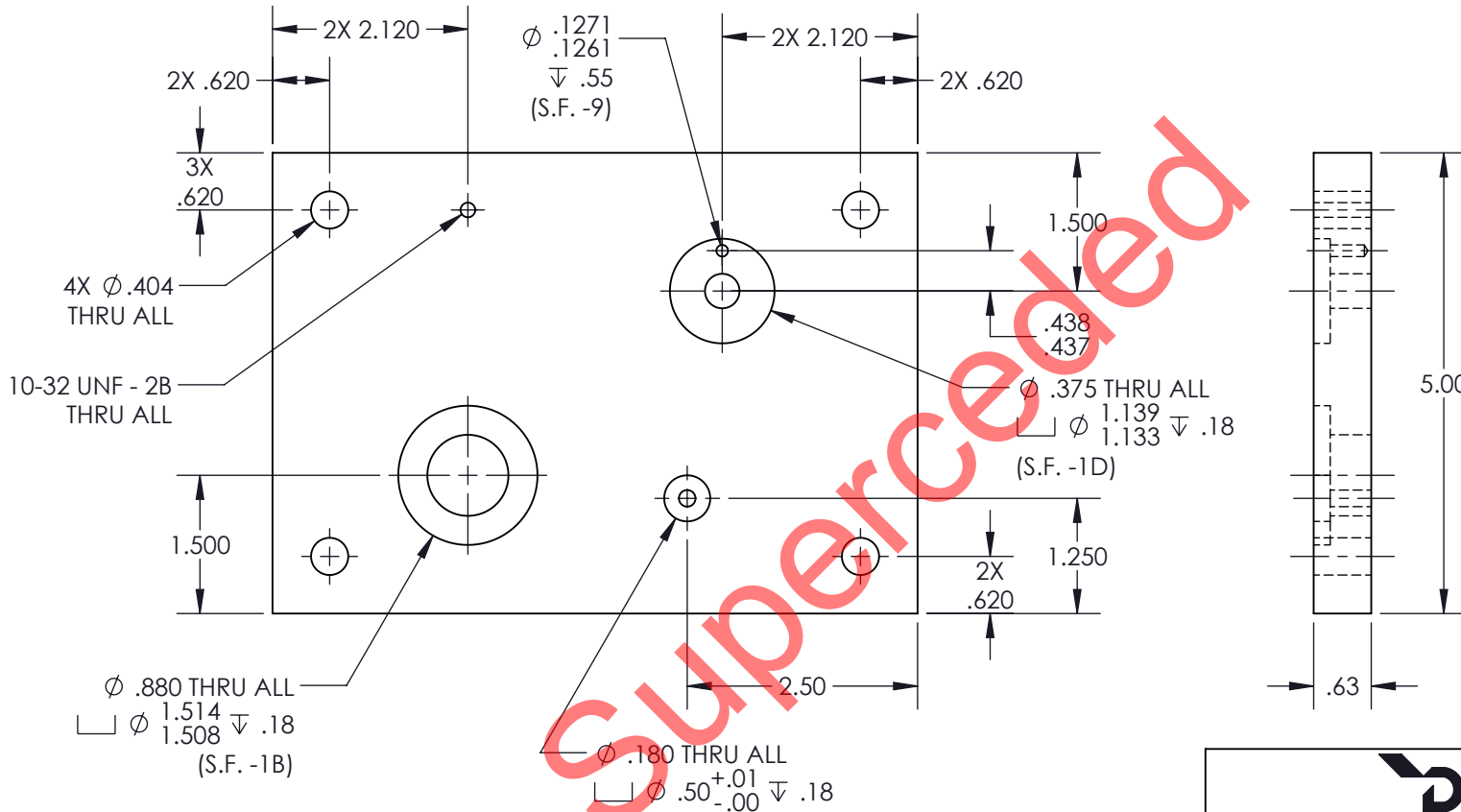


WELDMENT

DART AEROSPACE	
TITLE FIXTURE-HOLDING FUEL NOZZLE	
DWG NO. RB6897875-1	REV 3
MAT'L HEAT TREAT FINISH BLACK OXIDE	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125°
SPEC QMSI-6.2.2, B.O. REV D	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY: CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
CHECKED: DUERFELDT	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
OPPS APPR: ANDERSON	USED ON MODEL
QA APPR: LINDSAY	ROLLS ROYCE
APPROVED: MACKOVJAK	
SCALE 1:2	DATE 9/16/2009
SHEET 2 OF 7	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-1A CH'D DIA. WAS Ø.780 IS Ø.880 THRU. CH'D DIA. WAS Ø1.500 IS Ø1.500-1.501 ∇ .18. CH'D DIA. WAS Ø.150 IS Ø.180. CH'D DIA. WAS Ø.473 IS Ø.500 +.005-.000. CH'D DIA. WAS Ø1.125 IS Ø1.125-1.126 ∇ .18. ADDED Ø.125 +.001-.000 ∇ .55 HOLE FOR -.9.	8/5/2013	RJC	RW
2	16-0176	-1A CH'D MATERIAL WAS 1018 IS A36/1018/1020. CH'D DIM'S WAS Ø.880 THRU ALL ∇ Ø1.501/-1.500 ∇ .18 IS Ø.880 THRU ALL ∇ Ø1.514/-1.508 ∇ .18. WAS Ø.375 THRU ALL ∇ Ø1.126/-1.125 ∇ .18 IS Ø.375 THRU ALL ∇ Ø1.139/-1.133 ∇ .18. WAS Ø.180 THRU ALL ∇ Ø.500 +.005/-0.000 ∇ .18 IS Ø.180 THRU ALL ∇ Ø.50 +.05/-0.00 ∇ .18. WAS .4375 IS .438/.437, WAS Ø.125 +.001/-0.000 IS Ø.1271/.1261, ADDED DIM 2.50.	10/20/2016	RJC	SM
3	17-0100	-1A CH'D DIM WAS .620 IS .63. DELETED ENGRAVE T/N, S/N, "MADE IN USA" NOTE.	4/24/2017	DPD	JAG



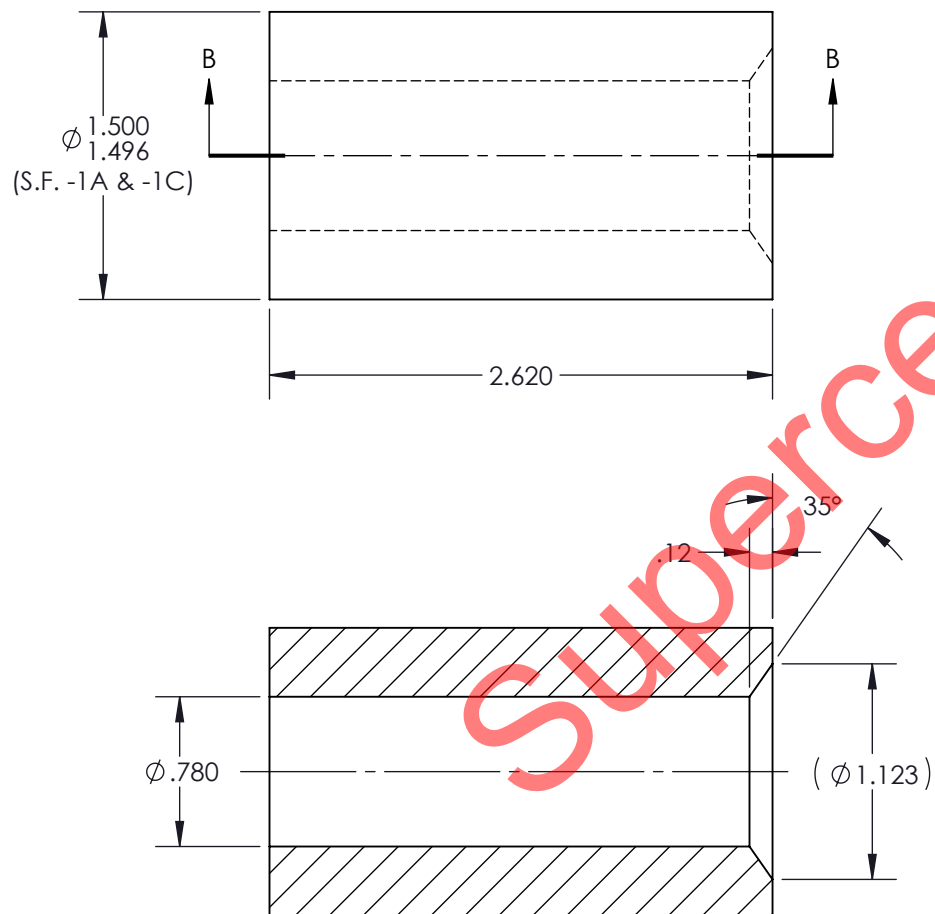
UNDER REVIEW
URF 17-771 SAC

DART AEROSPACE	
TITLE FIXTURE-HOLDING FUEL NOZZLE	
DWG NO. RB6897875-1A	REV 3
MAT'L A36/1018/1020 HR	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT SEE -1 WELDMENT	.XXX ± .005 FRACTIONS ± 1/8
FINISH SEE -1 WELDMENT	.XX ± .01 ANGLES ± 5°
SPEC	.X ± .1 SURFACES = 125/✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	ROLLS ROYCE
SCALE 1:2	DATE 9/19/2009
SHEET 3 OF 7	

(-1A)
BASE

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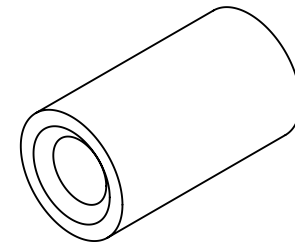
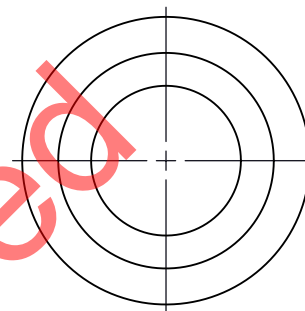
REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-1B CH'D DIA. WAS .880 IS .780, ADDED MISSING .12 DIM. FOR 35° ANGLE, ADDED REF. DIM. Ø1.123.	8/5/2013	RJC	RW
2	16-0176	-1B CH'D DIM WAS Ø1.500 IS Ø1.500/-1.496, CH'D MATERIAL WAS 1018 IS 4140/4142, ADDED HEAT TREAT RC 28-32.	10/20/2016	RJC	SM



SECTION B-B

(-1B)

RISER

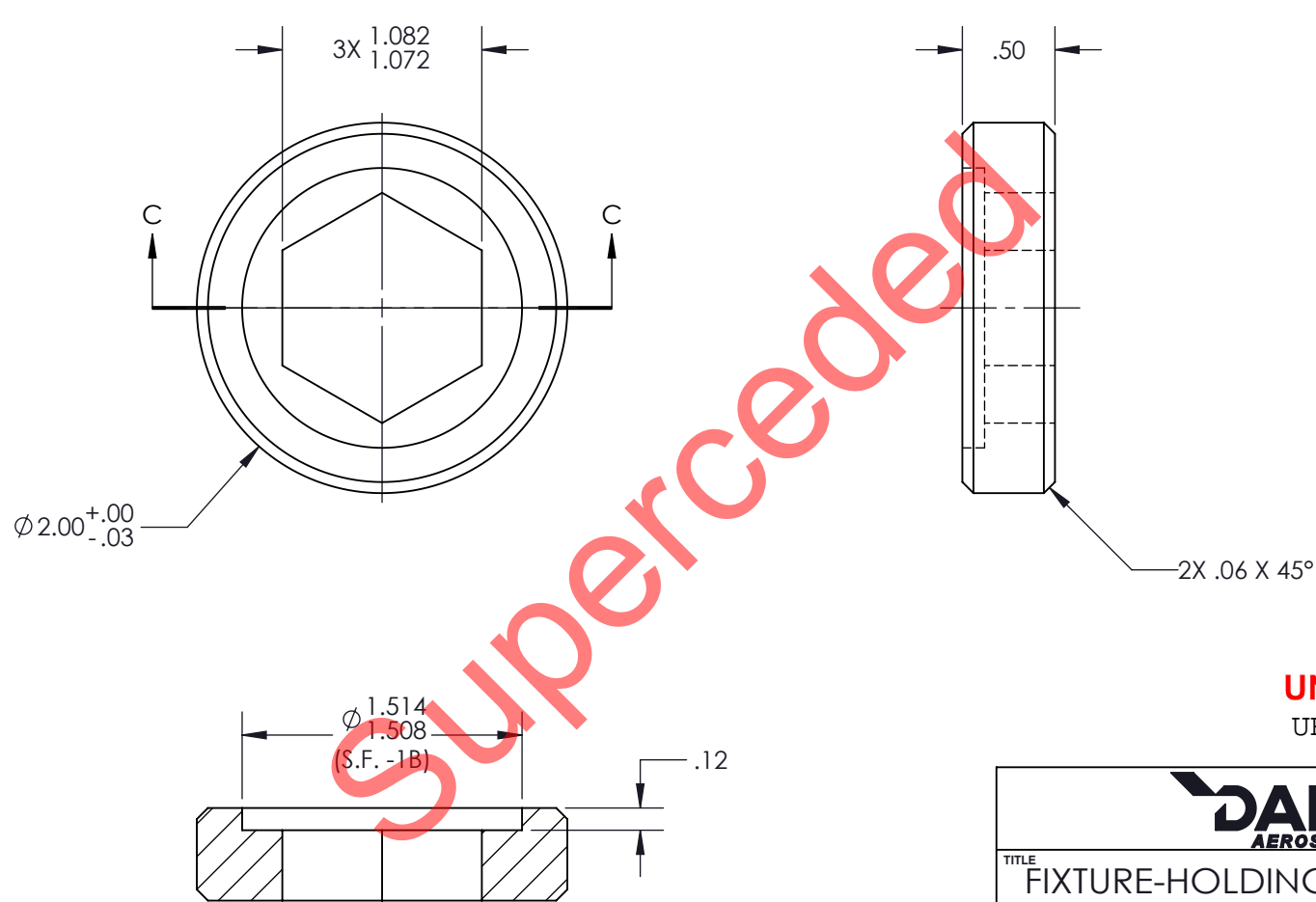


UNDER REVIEW
URF 17-771 SAC

DART AEROSPACE	
TITLE FIXTURE-HOLDING FUEL NOZZLE	
DWG NO. RB6897875-1B	REV 3
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED
HEAT TREAT RC 28-32	DIMENSIONS ARE IN INCHES
FINISH SEE -1 WELDMENT	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125°
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES
CHECKED: DUERFELDT	.015 x 45° OR .015R
OPPS APPR: ANDERSON	2. DIMENSIONAL LIMITS APPLY
QA APPR: LINDSAY	AFTER PLATING
APPROVED: MACKOVJAK	3. INTERPRET DIM AND TOL PER
	ASME Y14.5M-2009
SCALE 1:1	DATE 9/16/2009
	SHEET 4 OF 7

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-1C CH'D MATERIAL WAS 01 IS 4140.	8/5/2013	RJC	RW
2	16-0176	-1C CH'D DIM WAS (2.00) IS 2.00, WAS Ø1.500 ∇ .120 IS Ø1.514/-1.508 ∇ .12, WAS 1.082/-1.072 HEX IS 3X 1.082/-1.072, CH'D MATERIAL WAS 4140 IS 4140/4142, CH'D HEAT TREAT WAS RC 50-54 IS RC 28-32.	10/20/2016	RJC	SM
3	17-0100	-1C CH'D DIM WAS Ø2.00 IS Ø2.00+0.00-.03.	4/24/2017	DPD	JAG



SECTION C-C

(-1C)

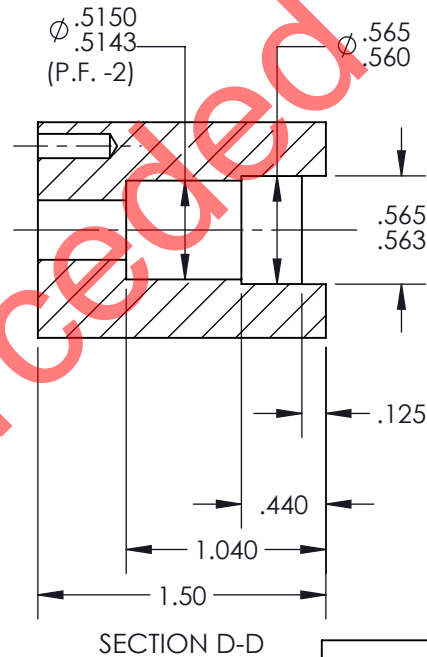
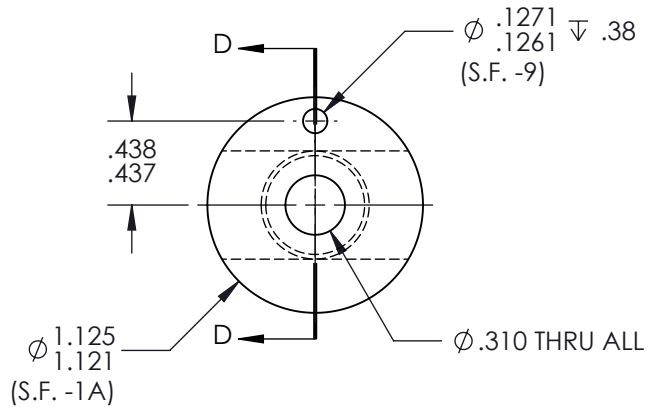
TOP

UNDER REVIEW
URF 17-771 SAC

DART AEROSPACE	
TITLE FIXTURE-HOLDING FUEL NOZZLE	
DWG NO. RB6897875-1C	REV 3
MAT'L 4140/4142	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT RC 28-32	.XXX \pm .005 FRACTIONS \pm 1/8
FINISH SEE -1 WELDMENT	.XX \pm .01 ANGLES \pm 5°
SPEC	.X \pm .1 SURFACES = 125° ✓
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	ROLLS ROYCE
SCALE 1:1	DATE 9/16/2009
SHEET 5 OF 7	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
1		-1D CH'D OD WAS Ø1.125 IS Ø1.124 -1.125, ADDED Ø.125 +.001-.000 ∇ .375 HOLE FOR -9. CH'D MATERIAL WAS 01 IS 4140.	10/20/2016	RJC	GE
2	16-0176	-1D CH'D DIM WAS Ø1.125/-1.124 IS Ø1.125/-1.121, CH'D DIM WAS Ø.515 IS Ø.5150/-5143 (P.F. -2), WAS .438 IS .438/.437, WAS Ø.125 +.001/-0.000 ∇ .375 IS Ø.1271/.1261 ∇ .38 (S.F. -9), CH'D MATERIAL WAS 1018 IS 4140/4142, ADDED HEAT TREAT RC 28-32.	10/20/2016	RJC	SM



UNDER REVIEW
URF 17-771 SAC

(-1D)

RISER

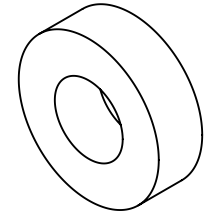
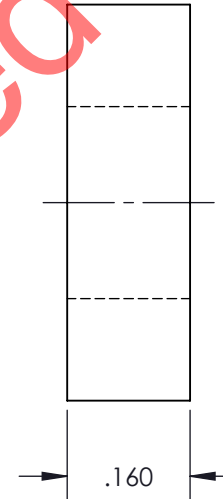
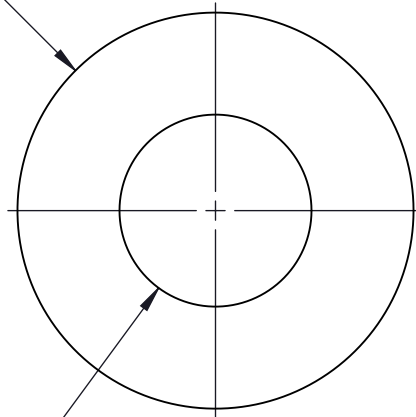
DART AEROSPACE	
TITLE FIXTURE-HOLDING FUEL NOZZLE	
DWG NO. RB6897875-1D	REV 3
MAT'L 4140/4142 HEAT TREAT RC 28-32 FINISH SEE -1 WELDMENT SPEC	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° .X ± .1 SURFACES = 125°
DRAWN BY: CLOUGH CHECKED: DUERFELDT OPPS APPR: ANDERSON QA APPR: LINDSAY APPROVED: MACKOVJAK	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
SCALE 1:1	DATE 9/16/2009
SHEET 6 OF 7	

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REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0176	-2 CH'D DIM WAS Ø.515 IS Ø.5159/-.5155 (P.F. -1D).	10/20/2016	RJC	SM

Ø.5159
Ø.5155
(P.F. -1D)

Ø.250 THRU ALL



Superceded

UNDER REVIEW
URF 17-771 SAC

(-2)
WASHER

DART AEROSPACE	
TITLE FIXTURE-HOLDING FUEL NOZZLE	
DWG NO. RB6897875-2	REV 3
MAT'L NYLON	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT FINISH	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± .5°
	.X ± .1 SURFACES = 125/
DRAWN BY: CLOUGH	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: DUERFELDT	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY	USED ON MODEL
APPROVED: MACKOVJAK	ROLLS ROYCE
SCALE 4:1	DATE 9/16/2009
SHEET 7 OF 7	